

1946

Carmarthen Rural Sanitary Authority

FIFTY-FIFTH

ANNUAL REPORT

of the Sanitary Conditions of the
Carmarthen Rural District
for the Year 1946

By

ELFYN T. JONES

B.Sc., M.R.C.S., L.R.C.P., D.P.H.

"Mercury," Llanelly.

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PREFACE.

To the Chairman and Members of the Carmarthen Rural District Council.

Mr. Chairman and Gentlemen,

I beg to present my Annual Report for the year ending December 31st, 1946.

The Council now enter upon a period of reconstruction and the amount of work which has to be done seems overwhelming. I would, however, stress upon the Council the need for giving priority to certain projects which are of such vital importance to the health of the people within the district. These projects are :—

- i. Housing.
- ii. Water Supplies.
- iii. Sewerage and Sewage Disposal.

I would appeal to the Council to formulate plans covering a period of years, say three to five years, and having formulated such a programme, to see it through before going off to another matter. The cost of all schemes is now spread over the rural district as a whole and not to each Parish as in former years, and therefore there should be no difficulty or unnecessary controversy in planning a progressive programme and what is more to the point, ~~the~~ completing it.

I wish to gratefully acknowledge the work carried out by my staff and to thank the Members of the Council for the whole-hearted manner in which they have supported me.

I wish to thank my colleagues and their staffs for their continued support and help.

I am, Gentlemen,

Your obedient Servant,

ELFYN T. JONES,

Medical Officer of Health.

Medical Officer of Health :

Elfyn T. Jones, B.Sc., M.R.C.S., L.R.C.P., D.P.H.

Engineer and Surveyor :

G. G. Thomas, Esq.

Clerk to the Rural District Council :

J. Jones, Esq.

Sanitary Inspectors :

Wm. Williams, M.S.I.A., M.R.San.I. (Meat Certificate), (Senior Sanitary Inspector).

H. E. Williams, M.S.I.A., A.R.San.I. (Meat Certificate).

R. E. Pritchard, M.S.I.A., A.R.San.I. (Meat Certificate)
(Resigned 30th September, 1946).

Rodent Operators :

H. S. Adams.

D. J. Jones.

T. G. Evans (Temporary—appointed 23/9/46).

J. W. Lloyd Harries (Temporary—appointed 24/9/46).

Public Health Department Clerks :

D. J. Lewis (returned from H.M. Forces 20th May, 1946).

G. Griffiths.

Mair Davies (left 15/6/46).

SOCIAL CONDITIONS OF THE AREA.

The Registrar-General's estimate of the mid 1946 population is 28,230.

The rateable value is £65,539, and the sum represented by a penny rate is £273.

According to the Rate books there were 7,898 inhabited houses at the end of the year.

Vital Statistics.		Total.	M.	F.
Live Births	Legitimate	462	244	218
	Illegitimate	27	12	15

Thus there were 489 live births during the year, and this represents a birth-rate of 17.32 per 1,000 estimated resident population.

	Total.	M.	F.
Stillbirths	22	8	14

Stillbirth-rate per 1,000 total (live and still) births, 43.05.

	Total.	M.	F.
Deaths	361	175	186

Death-rate per 1,000 estimated population—12.78.

Deaths from Puerperal Causes—Nil.

Other Maternal Causes—2.

Death-rate of Infants under one year of age :—

All infants per 1,000 live births	53.16
Legitimate infants per 1,000 legitimate live births	56.27
Illegitimate infants per 1,000 illegitimate live births	Nil.
Deaths from Cancer (all ages)	46
Deaths from Measles (all ages)	Nil.
Deaths from Whooping Cough (all ages)	Nil.
Deaths from Diarrhoea (under 2 years of age)	Nil.
Deaths from Influenza (all ages)	1

Deaths.

The number of deaths registered in the area during the year was—295. (Males, 132 ; Females, 163).

These figures are altered by inward and outward transfers thus :—

	Males.	Females.	Total.
Deaths registered in the area	131	157	288
Outward Transfers	1	6	7
Inward Transfers	45	35	80
	<hr/> 175	<hr/> 186	<hr/> 361

Death-rate comparison with other areas :—

	Death-rate.
Carmarthen Rural District	12.78
England and Wales	11.5
126 County Boroughs and Great Towns (including London)	12.7
148 Smaller Towns	11.7

CAUSES OF DEATHS, 1946.

Cause of Death. (Civilians only).	Males.	Females.	Total.	Death-rate per 1,000 population
Typhoid & Paratyphoid fevers	—	—	—	—
Cerebro-spinal fever	—	—	—	—
Scarlet Fever	—	—	—	—
Whooping Cough	—	—	—	—
Diphtheria	—	—	—	—
Tuberculosis (Respiratory)	9	7	16	0.566
Tuberculosis (Other forms)	2	3	5	0.177
Syphilitic diseases	—	—	—	—
Influenza	1	—	1	0.035
Measles	—	—	—	—
Acute Poliomyelitis and Polio- encephalitis	—	—	—	—
Acute infectious Encephalitis	—	—	—	—
Cancer (all sites)	19	27	46	1.629
Diabetes	2	2	4	0.141
Intra-cranial vascular lesions.....	21	27	48	1.700
Heart disease	36	42	78	2.762
Other diseases of circulatory system	4	5	9	0.318
Bronchitis.....	12	12	24	0.850
Pneumonia	5	7	12	0.425
Other respiratory diseases	5	2	7	0.248
Ulcer of stomach or duodenum	3	1	4	0.141
Diarrhoea (under 2 years)	—	—	—	—
Appendicitis	—	1	1	0.035
Other digestive diseases	4	4	8	0.283
Nephritis	9	8	17	0.602
Puerperal and post-abortion sepsis	—	—	—	—
Other maternal causes	—	2	2	0.070
Premature Births	8	5	13	0.460
Congenital malformations, birth injury, infantile disease	4	4	8	0.283
Suicide	2	1	3	0.106
Road Traffic Accidents	2	1	3	0.106
Other violent causes	3	3	6	0.212
All other causes	24	22	46	1.629
Total	175	186	361	12.78

Ages at Death from Cancer :

Under 5 years	.....	.....	.....	0
5 to 15 years	.....	.....	.....	0
15 to 25 years	.....	.....	.....	0
25 to 35 years	.....	.....	.....	2
35 to 45 years	.....	.....	.....	1
45 to 55 years	.....	.....	.....	5
55 to 65 years	.....	.....	.....	6
65 years and over	.....	.....	.....	32
				(46)

Cancer—Parts of the Body Involved.

Organ.	No. of Cases.		
	M.	F.	Total.
Buccal cavity and oesophagus (males only)	0	0	0
Uterus	0	0	0
Stomach and duodenum	6	11	17
Breast	0	4	4
All other sites	13	12	25
			46

Infant Mortality Rate.

Deaths under one year	.....	26
Live Births during the year	.....	489
Infant Mortality rate	.....	53 per 1,000 live births.

Comparison of Infant Mortality Rates :

Carmarthen Rural District	.....	53
England and Wales	.....	43
126 County Boroughs and Great Towns (including London)	.....	46
148 Smaller Towns	.....	37

Ages at which Infant Deaths occurred :

Under one week	.....	16
1 week to 1 month	.....	7
1 month to 3 months	.....	2
3 months to 6 months	.....	1
6 months to 9 months	.....	0
9 months to 1 year	.....	0
Total	.....	26

Causes of Infant Deaths :

Prematurity	.....	.....	.....	13
Convulsions	.....	.....	.....	3
Pneumonia	.....	.....	.....	4
Other causes	.....	.....	.....	6

(26)

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.**Laboratory Facilities :**

The facilities offered by the Medical Research Council's Emergency Public Health Laboratory Service are taken advantage of by the Public Health Department of the Rural District Council, Hospitals and Medical Practitioners within the area. The Laboratory which is situated within the Borough of Carmarthen provides a Bacteriological and Pathological Service, and has played a vital part in the maintenance of the health of the community, particularly with regard to early diagnosis of Infectious Diseases, and the isolation of Infectious Disease "carriers."

Ambulance Facilities :

The Carmarthen Borough Division St. John Ambulance Brigade have instituted an Ambulance Service centred in the Borough of Carmarthen, and covering some of the surrounding Parishes of the rural area. The Parishes so served are Llangunnor, Llandeilo, Llanddarog, Llanstephan, Llangynog, Llangain, Llanpumpsaint, part of Llangendeirne, St. Ishmael, Abergwili, Mydrim, Newchurch and St. Clears.

The Ambulance is manned mostly by the voluntary efforts of the Members of the Division, and for a sum of 2/6d. per family, per annum a free ambulance service up to a radius of 30 miles from Carmarthen is given.

During the year, 586 patients were carried and I cannot but speak too highly of the efficient service given by the Division. It has undoubtedly filled a serious gap in the Health Service of the District.

I would appeal to the Members of the Council to encourage the residents of the rural areas to become members of this contributory scheme as unless an adequate yearly income is attained, the Ambulance Service may have to be abandoned.

Nursing in the Homes :

This is carried out by the Carmarthenshire County Nursing Association through 18 District Nursing Associations, and is under the supervision of the Public Health Department of the County Council. The centres are situated as follows :—

Abergwili.	Abernant and Newchurch.
Conwil Elfed.	Drefach.
Dyffryn Taf.	Ferryside.
Gorslas.	Laugharne.
Llanboidy.	Llanegwad.
Llangathen.	Llangendeirne.
Llangunnor.	Llanstephan.
Newchurch.	Pontyates.
St. Clears.	Trelech.
Whitland.	

All these Associations undertake midwifery on behalf of the County Council and 12 undertake Health Visiting and School Nursing.

Infant Welfare Centres :

These are under the control of the County Council and at present there are four Infant Welfare Centres for children under five years of age situate in the Rural District, viz :—

Gorslas.	Llanstephan.
Pontyates.	Whitland.

The following Infant Welfare Centres situated in adjoining Districts also cater for children under five years of age who are resident in the Carmarthen Rural District :—

Kidwelly.	Llandilo.
Pontyberem.	Tumble.

Hospital Accommodation :

Infectious Diseases :

The Infectious Diseases Hospital is situated at Upper Tumble, near Llanelly, and is under the direct control of the County Council. The Rural District Council contribute by rate to the County Council so that any person admitted receives treatment and maintenance free of cost.

Maternity :

This is under the control of the County Council and they have an agreement with the Carmarthen County Infirmary for the admission of suitable maternity cases for confinement. The County Council rent 16 beds in the Maternity Block for this purpose.

The County Council administer The Penlan Maternity Annexe, Penlan Road, Carmarthen, as an annexe to the Carmarthen Infirmary Maternity Unit.

Venereal Diseases :

This is under the control of the County Council. There are no Venereal Diseases Clinics situated within the Rural area ; the nearest Clinic administered by them is at the General Hospital, Llanelly, and travelling expenses to enable patients to attend this Clinic and the Swansea Clinic are granted by the County Council according to financial circumstances.

SANITARY CIRCUMSTANCES OF THE AREA.

Housing :

Details are given on the following pages of the Housing Survey which was completed during the year. From the details given it will be seen that 596 houses are urgently required, and I would like to stress the fact that this figure is a bare minimum and in no way represents the total requirements of the area.

Suggestions for the situation of the new houses have also been made so as to rehouse families within the vicinity of their old homes which will in all probability be within reasonable proximity of their place of work. During the year this report was brought before the Council and planning of new Council houses has been based upon it.

The need for houses cannot be too strongly stressed, and knowing the appalling conditions under which some people have to live, it is a matter of great regret that the building programme does not progress in a more speedy manner. Progress with the acquisition of sites is quite satisfactory, but delays with regard to materials and labour gives cause for great concern.

Housing Survey :

A guide to the tables and classification adopted is that recommended by the Rural Housing Sub-Committee and is reproduced below, which corresponds with the provisions of the various Acts under which action might be taken.

Category.	Condition of Dwelling.	Normal Action.
A (1)	Satisfactory in all respects.	No action.
B (2)	Minor defects.	Informal action or Public Health Acts.
C (3)	Requiring repair, structural alteration, or improvement	Section 9 or 11, Housing Act, 1936. Acquisition by local authority in appropriate cases.
D (4)	Appropriate for reconditioning under the Housing (Rural Workers) Acts.	Housing (Rural Workers) Acts. Section 11 Housing Act, 1936. Acquisition by local authority in appropriate cases.
(5)	Unfit for habitation and beyond repair at reasonable expense.	Section 11 (individual houses). Section 25 (Clearance Areas) Housing Act, 1936.

Further classification: It was decided at a Meeting of the Technical Sub-Committee of the Joint County Committee on Rural Housing to classify houses as follows:—

Category A.

(1) A house which is satisfactory in all respects, i.e. a house which has water-under-pressure, a bath, W.C., Washing facilities, drainage, larder accommodation, adequate and efficient cooking facilities, which is in sound structural condition, is free from excessive dampness and is reasonably well planned internally.

Category B.

(2) A house which has minor defects only and which can be converted by improvements to a Category A house.

Category C.

(3) A house which requires structural alterations or improvements and which can be converted to a Category B or (2) or even a Category A (1) house.

Category D.

(4) A house which is appropriate for reconditioning under the Housing Rural Workers Act. and,

(5) A house which is unfit for habitation and is beyond repair at a reasonable expense.

From the above, a house can be in Category A but might still require a ' Repair Notice ' under the Public Health or Housing Acts. Should in the future, Regional Water Supply and Sewerage Schemes be introduced, houses might be regraded say from Category B or C to Category A.

Parish	HOUSES			Type and Classification of Houses.								Overcrowding		Occupied by more than one family		Essential Rehousing Requirements.	
				Farm Houses				Private Houses									
	Farm	Private	Total	A.	B.	C.	D.	A.	B.	C.	D.	Farm Houses	Private Houses	Farm Houses	Private Houses	Number and Type of Houses	Proposed Location of Rehousing Site.
Abergwili	140	234	374	9	23	67	41	15	25	124	70	—	8	—	3	16—3 Bedroom Type. 6—4 Bedroom Type.	12 at Abergwili Village. 7 at Whitmill Village. 3 at Peniel Village.
Abernant	87	47	134	1	11	54	21	1	7	16	23	—	3	—	—	10—3 Bedroom Type.	6 at Talog Village. 4 at Abernant Village.
Conwil Elfed	144	153	297	—	47	61	35	6	54	52	41	—	3	1	3	14—3 Bedroom Type.	6 at Conwil Village. 4 at Cwmdud Village. 2 at Hermon Village. 2 at Blaenycod Village.
Llanllawddog	77	38	115	1	8	25	43	7	6	7	18	—	2	—	—	4—3 Bedroom Type.	At Stag and Pheasant.
Llanpumpsaint	91	83	174	—	11	48	32	5	25	26	27	—	4	1	1	10—3 Bedroom Type.	8 at Llanpumpsaint Village. 2 at Nebo Road.
Llanarthney	188	750	938	—	74	90	24	56	422	213	59	7	19	10	75	67—3 Bedroom Type. 15—4 Bedroom Type.	28 at Gorslas. 20 at Cefneithin. 16 at Drefach. 1 at Nantgaredig. 12 at Llanarthney. 3 at Capeldewi. 2 at Porthyrhyd.
Llanddarog	77	185	262	1	31	37	8	6	102	49	28	1	11	1	7	22—3 Bedroom Type. 9—4 Bedroom Type.	16 at Mynyddicerrig 7 at Porthyrbyd. 6 at Llanddarog. 2 at Drefach.
Llangunnor	85	191	276	4	9	59	13	52	24	66	49	1	6	5	2	14—3 Bedroom Type. 13—4 Bedroom Type.	16 at Pensarn. 10 at Login. 1 at Capeldewi.
Llandfeilog	118	111	229	3	13	76	26	7	18	53	33	1	2	—	1	6—3 Bedroom Type. 2—4 Bedroom Type.	5 at Idole. 3 at Llandfeilog.
Llangendearne	179	577	756	2	19	104	54	15	220	223	119	3	32	7	24	66—3 Bedroom Type. 16—4 Bedroom Type.	26 at Pontyates. 14 at Ponthenry. 8 at Carway. 8 at Minke. 6 at Pontantwn. 6 at Crwhin. 4 at Llangendearne. 4 at Glyn Abbey. 4 at Four Roads. 2 at Bancfosfelen.
St. Isahel	51	353	404	4	13	27	7	60	139	103	51	2	15	—	8	28—3 Bedroom Type. 2—4 Bedroom Type.	17 at Llansaint. 13 at Ferryside.
Llangain	30	35	65	2	12	14	2	4	9	10	12	1	3	—	1	6—3 Bedroom Type.	Near Smyrna Chapel, Llangain.
Llangynog	87	41	128	3	44	32	8	3	7	17	14	1	2	1	1	10—3 Bedroom Type.	6 at Ebenezer Village, Llangynog. 4 at Bancyfelin side of Parish.
Llanstephan	63	227	290	1	23	23	11	33	55	104	35	—	1	1	1	12—3 Bedroom Type.	6 at Llanstephan Village. 6 at Llanyhri Village.
Newchurch	107	139	246	5	24	61	17	19	45	45	30	2	4	3	5	18—3 Bedroom Type.	8 at Bronwydd Arms (to provide for parts of adjoining Parishes of Llanpumpsaint and Abergwili). 4 at Newchurch School District. 4 at Henflich Village. 2 at Bwlchnewydd Village.
Laugharne Township	19	249	268	2	11	5	1	18	80	100	51	—	14	—	14	30—3 and 4 Bedroom Type.	Selected site at Gosport which is free from tidal waters.
Llanddowror	82	92	174	4	22	44	12	10	22	32	28	—	1	3	3	14—3 and 4 Bedroom Type.	8 at Llanddowror Village. Remainder at Brook, Broadway and Llansadurnen.
Llanginning	34	29	63	5	17	6	6	—	6	9	14	—	—	—	—	6—3 and 4 Bedroom Type.	At Llanwinio Village.
Llanwinio	70	71	141	2	18	32	18	7	8	24	32	—	1	—	1	10—3 and 4 Bedroom Type.	6 at Cwmfelin Mynach Village. 4 at Cwmbach Village.
Mydrim	75	87	162	2	36	29	8	1	16	44	26	—	5	1	1	12—3 Bedroom Type.	Mydrim Village.
St. Clears	101	411	512	12	37	41	11	78	130	116	87	2	13	1	14	50—3 and 4 Bedroom Type.	Selected site at Station Road and Lower St. Clears and Bancyfelin Village.
Trelech-ar-Bettws	143	122	265	1	32	70	40	7	26	46	43	1	5	—	1	16—3 Bedroom Type.	8 at Trelech Village. 4 at Penyhont Village. 4 at Gellywen Village
Cilymaenllwyd	104	121	225	4	18	75	7	7	34	50	30	—	3	3	3	8—3 and 4 Bedroom Type.	4 at Pantycaws. 2 at Login. 2 at Glandy Cross.
Henllanfallteg	35	53	88	—	11	22	2	3	9	24	14	—	1	1	1	6—3 and 4 Bedroom Type.	At Llanfallteg Village.
Llandissilio-East	67	150	217	1	12	46	8	18	56	56	20	—	—	4	4	14—3 and 4 Bedroom Type.	10 at Clynderwen Village. 4 at Efallwen.
Eglwyscumin	82	37	119	3	24	48	7	6	12	10	9	—	2	2	2	6—3 and 4 Bedroom Type.	At Red Roses Village.
Llanboidy	149	158	307	7	57	70	15	10	34	81	33	1	1	4	2	14—3 and 4 Bedroom Type.	6 at Llanboidy Village. 4 at Cefnpant. 4 at Henllan Amgoed.
Pendine	6	57	63	—	—	4	2	25	13	10	9	—	3	—	—	4—3 and 4 Bedroom Type.	At Upper Pendine.
Whitland	18	324	342	9	4	4	1	80	207	32	5	1	2	—	40	40—3 and 4 Bedroom Type.	At the selected site at North Road, Whitland.

Housing.

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on the position at the end of the year, 1946 :—

“ At 31st December, 1946, eight Housing sites had been approved and houses were under construction as follows :—

Abergwili Parish	.....	.....	4
Llanarthney	.....	.....	8
Llangendeirne	.....	.....	6
St. Clears	.....	.....	16
Whitland	.....	.....	14

No houses were completed.”

WATER SUPPLY.

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on water supplies within the rural district :—

“ With the exception of the Llanarthney and Llanddarog, St. Ishmael and Pontyates schemes, the water supply for the area generally has not been satisfactory in quantity.

It is hoped however that with the completion of the two major water supply schemes contemplated, namely the Eastern and Western Area schemes, this will be obviated. Existing schemes where the supply available is insufficient to meet the demands, will be augmented and most of the district now without a piped water scheme will be brought into the area of supply.

The Eastern and Western Area Water Supply Schemes have been approved in principle by the Council but no work has yet been commenced.

The following Parishes are included in the proposed area of supply :—

Eastern Area.

Llangendeirne, Llanarthney, Llanddarog, Llangunnor and Llandefeilog.

Western Area.

Eglwyscumin, Llanddowror, St. Clears, Mydrim, Laugharne Township, Pendine, Llanstephan, Llangynog.”

Dwelling Houses and number of population supplied from public water mains are as follows :—

Parish.	Village.	Houses Supplied from Standpipes	Houses. connected to mains.	Total.	Popula- tion.
Abergwili	Nantgaredig	16	4	20	90
Pendine	Pendine	50	19	69	300
Henllanfallteg	Llanfallteg	17	5	22	100
Whitland	Whitland	320	115	435	1900
Trelech - ar - Bettws	Trelech	22	3	25	110
Llangendeirne	Pontyates	130	110	240	1080
Llangendeirne	Carway	4	61	65	330
St. Ishmael	Ferryside & Llansaint	160	203	363	1630
Llanarthney and Llanddarog .....	.....	190	510	813	3700
Llanstephan	Llanstephan	52	100	152	680
Abernant	Talog	14	4	18	70

It is interesting to note that only one-quarter of the houses in the rural district are provided with a piped water supply and only one-half of this number, i.e. one eighth have water piped into the houses.

The Western area water supply scheme which, will provide a piped water supply for the Parishes of Eglwyscumin, Llanddowror, St. Clears, Mydrim, Laugharne, Pendine, Llanstephan and Llangynog, has been approved by the Council, and it is gratifying to see that all Members have and still are pursuing this matter.

The need for a water supply, adequate in quantity and quality throughout the rural area becomes daily more and more obvious, and I feel sure that the Council now being so aware of the desirability of a water supply in the rural area, will continue energetically to pursue the matter to a successful conclusion.

Sampling of Water Supplies :

Sampling of water supplies is carried out by the Sanitary Inspectors and is performed as carefully as possible, particularly in those areas which are dependent upon wells.

Bacteriological examination of water is carried out at the Emergency Public Health Laboratory, Carmarthen, and Chemical examination is carried out by the Public Analyst at the County Hall, Carmarthen.

With the exception of one source, no supply has a plumbo-solvent action. The source referred to is treated by filtration through magnesite before entering the service mains, and tests of the water in these mains have not shown any plumbo-solvent action.

Domestic Connections to Farm Water Supply Systems :

Grant-aided Schemes of the County War Agricultural Executive Committee.

The Sanitary Inspectors have co-operated with the Water Supplies Officer of the Carmarthenshire War Agricultural Executive Committee, and during the year have taken samples of water for examination from proposed sources of supply.

SAMPLES OF WATER TAKEN DURING THE YEAR FROM PUBLIC SUPPLIES.

18

Date.	Source.	Type of Examination.	Result.
31/1/46	Main Supply at Carway Village	Bacteriological	Satisfactory.
31/1/46	Pontyates Village Supply	"	Unsatisfactory.
11/2/46	Roadside Tap, Pendine Hill	"	Satisfactory. Chlorination adequate.
11/2/46	Reservoir overflow, Pendine Supply	"	Moderately good.
20/2/46	Llanstephan Eastern Supply	"	Doubtful—some degree of pollution.
20/2/46	Llanstephan Western Supply	"	Unsatisfactory.
20/2/46	Shallow Well, Lower St. Clears Pump on roadside	"	Satisfactory.
21/2/46	Pendine Water Supply—Overflow	"	Unsatisfactory.
21/2/46	Tap on roadside—Pendine Hill	"	Satisfactory.
21/3/46	Ffynnongain Well, Llanginning	"	Unsatisfactory.
25/3/46	Rhydargaeu Village Supply	"	Satisfactory.
27/3/46	Shallow Well, Glantowy, Abergwili	"	Satisfactory.
28/3/46	Cloygin Village Supply, Pontantwn, Well on bank of stream.	"	Unsatisfactory.
4/4/46	Public Well, Abernant Village	"	Satisfactory.
4/4/46	Public Well, Handpump at Upper Bancyfelin	"	Unsatisfactory.
4/4/46	Ricketts Mill Public Supply, Abernant	"	Satisfactory.
25/4/46	Shallow Well at Efailwen, Llandissilio	"	Very unsatisfactory.
29/4/46	Dyffrynolcwm Supply, Llanybri	"	Unsatisfactory.
29/4/46	Black Anchor Public Supply, Llanybri	"	Unsatisfactory.
29/4/46	Llanstephan Eastern Supply	"	Satisfactory.
29/4/46	Llanstephan Western Supply	"	Satisfactory.
9/5/46	Well at Broadway, Laugharne	"	Satisfactory.
23/5/46	Talag Village Mains Supply	"	Satisfactory.

SAMPLES OF WATER TAKEN DURING THE YEAR FROM PUBLIC SUPPLIES.

Date.	Source.	Type of Examination.	Result.
24/5/46	Blaenycloed Village Public Supply	Bacteriological	Unsatisfactory.
30/5/46	Storage Cistern, shallow well at Bwlch, Trawsmawr	"	Unsatisfactory.
22/5/46	Landspring, Blaenwaun, Llanboidy	"	Unsatisfactory.
29/5/46	Village Pump at Llanddowror	"	Unsatisfactory.
29/5/46	Land Spring at Grove Cottages, St. Clears	"	Unsatisfactory.
19/6/46	Tap at Roadside, Pendine Hill	"	Satisfactory, adequate chlorination.
19/6/46	Overflow, Pendine Reservoir	"	Doubtful.
19/6/46	Whitland Mains Supply	"	Satisfactory.
8/7/46	Storage Cistern, Ffynnonolbri, Llanybri, Public Supply	"	Unsatisfactory.
8/7/46	Storage Cistern, Black Anchor Public Supply, Llanybri	"	Unsatisfactory.
9/7/46	Blaenycloed Village Public Supply	"	Suspicious, some pollution.
11/7/46	Corvus Well Pump, St. Clears	"	Satisfactory.
9/7/46	Sorage Cistern, Hermon Village Public Supply	"	Unsatisfactory.
16/7/46	Tap on Roadside—Near Llanboidy School	"	Unsatisfactory.
23/8/46	Llwynffynnon, Van, Pontantwn (Public Supply)	"	Unsatisfactory.
23/8/46	Well at Van, Pontantwn (Public Supply)	"	Unsatisfactory.
22/8/46	Storage Cistern—mains—Penybont Village Supply	"	Unsatisfactory.
5/9/46	Storage Cistern—Penybont Village Public Supply	"	Doubtful.
22/10/46	Llanstephan Village, Western Supply	"	Doubtful.
22/10/46	Llanstephan Village, Eastern Supply	"	Unsatisfactory.
27/11/46	Llanpumpsaint Village, Mains Supply	"	Doubtful.
2/12/46	Llanstephan Village, Eastern Supply	"	Unsatisfactory.

Drainage and Sewerage :

Mr. G. G. Thomas, the Council's Engineer and Surveyor reports as follows on work carried out during the year :—

“ No new works of sewerage and sewage disposal have been carried out during the year. The following schemes have been prepared and provisionally approved by the Council :—

Ponthenry and Pontyates Joint Schemes.

Drefach and District Joint Scheme.

Whitland Scheme.”

Whilst the necessity for sewerage and sewage disposal in the rural district is one of urgency, little can be done until an adequate water supply is first available. When the latter has been achieved, sewerage and sewage disposal will automatically follow.

REFUSE COLLECTION.

Refuse collection on a ‘ contract basis ’ has cost the Council £1,180 (excluding sundry items) during the year and it is mainly made up from the Parishes of the Western area.

The system ‘ of ‘ direct labour ’ was introduced during the year for the greater part of the Eastern and a small portion of the Western area. This system has cost approximately £700 and shows an approximate saving of £240 on the old system of collection by contract for the same area. In arriving at this estimate, no account has been taken of the initial cost of the scavenging lorry which was £585, but as this will not be a yearly cost, then over a period of years the method of ‘ direct labour ’ will ultimately show a saving to the Council.

At the outset the new method gave rise to a few minor troubles, but by the end of the year had settled down and was proving a more efficient service than formally.

The extension of this system to the Western area will largely depend upon the sewerage of Whitland.

Rivers and Streams :

At long last it does appear as though more will be done to alleviate the deplorable conditions resulting from the flooding of certain districts, particularly Pontyates and Whitland. A Catchment Board was formed during the year and at the outset it proposes devoting its attention to the major and more urgent problems of flooding in the rural district.

Many streams are used by the residents in the Rural District for the depositing of all kinds of rubbish, slop and foul water. Frequently serious nuisances arise as a result of this, and it cannot

be emphasized too strongly that persons carrying out such deplorable actions give rise to a grave danger to the public health. The remedy for this lies with the people themselves as pollution of the streams result largely from the low standard of hygiene of these people. I trust that in the emphasis now being placed upon education, the importance of personal hygiene will not be forgotten.

Moveable Dwellings :

Three licences for the use of moveable dwellings were issued during the year.

RODENT CONTROL SCHEME.

The Rodent Control Scheme has been maintained at a very high level under the control of two full-time operators and the co-operation of the district Sanitary Inspectors. During the year, the Ministry of Food Scheme N.S.12 was adopted by the Council and two additional (temporary) assistants were appointed to assist in administering the Scheme. Under this new Scheme, dwelling houses are treated free of cost and business premises are dealt with under the old Scheme of paying for treatment or paying on a contract basis.

In order to carry out the requirements of this special scheme as efficiently as possible, the area has been divided into two Sections, Eastern and Western, each Section being under the supervision of two operators. Each Section is sub-divided into three Districts. One month is spent by the Operators in each District so that each group will receive four routine visits per year.

As far as possible, the work has been carried out in a regular and systematic manner, and an effort has been made to cover the whole Rural District adequately.

Owing to the small number of sewers in the Rural District, the treatment of sewers has been included with routine work.

The technique adopted in control measures is that recommended by the Ministry of Food, with Zinc Phosphide and Red Squill as the principal poisons, and sausage rusk as the pre-bait medium. Gassing was resorted to in certain instances.

1. Number of " Contracts " during the year	50
2. Number dealt with by payment (other than " Contract" or Scheme N.S. 12).	16
3. Number of Premises inspected under Scheme N.S. 12 of the Ministry of Food	228
4. Number of Premises found to require treatment and dealt with under Scheme N.S. 12	73

The Estimated " Kill " (according to Ministry of Food Formula) is as follows :—

		Rats.		Mice.
Under 1. above	.....	3692	.....	1055
Under 2. above	.....	527	.....	140
Under 4. Above	.....	930	.....	—
		<hr/>		<hr/>
Total	.....	5149	.....	1195
		<hr/>		<hr/>

Administration of the Factories Act, 1937.

Duties of the Sanitary Authority under the Factories Act have been carried out by the Sanitary Inspectors as part of their routine work, and a close liaison has been maintained with the Inspector of Factories.

SCHOOLS.

The Local Education Authority is the County Council. There are 58 Primary Schools (59 Departments) and 2 Grammar Schools in the Rural area. No new schools were opened in the district during the year and no schools were permanently closed.

No schools within the area of the Rural District were closed on account of infectious disease during 1946.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

The number of cases of infectious diseases notified during the year was 86 and are classified according to the table given below. The number is a marked decrease over last year's figure which was 289.

It is interesting to note that there were only two cases of diphtheria throughout the district and that the number of cases of Measles has fallen considerably.

INFECTIOUS DISEASES.

Number of Cases of Infectious Diseases originally notified during the year 1946, and of the Final numbers according to Sex and Age after Corrections subsequently made either by the Notifying Medical Practitioner or by the Medical Superintendent of the Infectious Diseases Hospital.

Ages, etc.	Ac. pneumonia		Dysentery		Smallpox		Ac. encephalitis lethargica		Enteric or typhoid fever		Paratyphoid fevers		Erysipelas		Cerebro-spinal fever	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified :																
Civilians (all Ages)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Non-civilians (all ages)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Final numbers after correction																
0—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65 and over	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Age unknown.....	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total civilians	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Non-Civilians	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15— (or N.K.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45 and over	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total non-civilians	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other notifiable diseases.	Originally Notified.		Final numbers after corrections.	
	M.	F.	M.	F.
Civilians :				
Puerperal pyrexia	—	—	—	—
Ophthalmia neonatorum	—	—	—	—
Non-Civilians				
Puerperal pyrexia	—	—	—	—

Distribution of Notifiable Diseases into Parishes.

Parish.	NOTIFIABLE DISEASE.					
	Scarlet Fever	Whooping Cough	Measles	Diphtheria	Ac. Pneumonia	Erysipelas
Abergwili	2	—	—	—	—	—
Abernant	2	—	—	—	—	—
Conwil Elfed	3	—	—	—	—	—
Llanllawddog	—	—	—	—	—	—
Llanpumpsaint	—	—	—	—	—	—
Llanarthney	3	3	2	1	—	—
Llanddarog	—	—	1	—	—	—
Llangunnor	—	—	—	—	—	—
Llandefeilog	3	—	—	—	—	—
Llangendeime	12	—	—	—	1	1
St. Ishmael	—	—	—	1	—	—
Llangain	—	—	—	—	—	—
Llangynog	—	—	—	—	—	—
Llanstephan	1	—	—	—	—	—
Newchurch	1	—	—	—	—	—
Laugharne	3	—	—	—	—	—
Llanddowror	—	—	—	—	—	—
Llanginning	—	—	—	—	—	—
Llanwinio	—	—	—	—	—	—
Mydrim	1	—	—	—	—	—
St. Clears	15	—	—	—	—	—
Trelech-ar-Bettws	—	—	—	—	—	—
Cilymaenllwyd	—	—	—	—	—	—
Henllanfallteg	—	—	—	—	—	—
Llandissilio-East	1	—	—	—	—	—
Eglwyscumin	—	—	—	—	—	—
Llanboidy	15	—	—	—	—	1
Pendine	5	—	—	—	—	—
Whitland	8	—	—	—	—	—
Total	75	3	3	2	1	2
Number of cases isolated at home	42	3	3	—	—	—
Number of cases removed to Isolation Hospital	33	—	—	2	1	2

FOOD POISONING.

No cases of food poisoning were notified during the year.

IMMUNISATION AGAINST DIPHTHERIA.

Children Aged 5—15 years.

Number immunised during the year—63.

The estimated number of children aged 5 to 15 years in the Rural District for mid-year 1946 is 4,040, of which number 3,327 have been immunised against Diphtheria, giving a percentage of 77.2.

Children under 5 years of age.

Number of children from 1 to 5 years of age who were immunised during the year—357.

The estimated number of children from 1 to 5 years of age in the Rural District for mid-year 1946, is 1,800 of which 903 have been immunised against Diphtheria, giving a percentage of 50.16.

TUBERCULOSIS.

The housing conditions of many persons suffering from Tuberculosis are deplorable, and while such conditions remain, any good the persons derive from Institutional treatment is quickly outweighed upon returning to their homes. It is, therefore, a matter of urgency that the Council should press on at high speed with their Housing Programme.

TUBERCULOSIS.

	MALES.		FEMALES.		Total
	Pul-monary	Non-Pul-monary	Pul-monary	Non-Pul-monary	
Number of cases of Tuberculosis on the Register at the commencement of the year	79	42	66	33	220
Number of cases notified under the Tuberculosis Regulations for the first time during the year	13	2	13	2	30
Number of cases restored to the Register having been removed previously.....	0	0	0	0	0
Number of cases added to the Register and brought to notice otherwise than by formal notification	2	1	2	1	6
Number of cases removed from the Register during the year	9	2	8	1	20
Number of cases remaining on the Register at the end of the year, 1946.....	85	43	73	35	236

**NEW CASES OF, AND MORTALITY FROM
TUBERCULOSIS, 1946.**

Age Period in Years	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	0	0	0	0	0	0	0	0
1—5	0	0	0	0	0	0	0	0
5—15	0	1	1	1	0	0	1	0
15—25	2	5	1	0	1	1	0	0
25—35	4	3	1	2	0	2	1	1
35—45	4	1	0	0	0	1	0	0
45—55	5	2	0	0	3	1	0	1
55—65	0	3	0	0	3	2	0	0
65 and over	0	0	0	0	2	0	0	1
Totals	15	15	3	3	9	7	2	3

Distribution of Deaths from Tuberculosis in the Area.

Parish.	No. of Deaths.	
	Pulm.	Non-Pulm.
Abergwili	—	—
Abernant	—	—
Conwil Elfed	—	—
Llanllawddog	—	—
Llanpumpsaint	—	—
Llanarthney	4	3
Llanddarog	1	—
Llangunnor	1	—
Llandefeilog	—	—
Llangendeirne	2	—
St. Ishmael	1	—
Llangain	—	—
Llangynog	—	—
Llanstephan	1	—
Newchurch	—	—
Laugharne Township	—	—
Llanddowror	—	—
Llanginning	1	—
Llanwinio	—	—
Mydrim	—	—
St. Clears	2	2
Trelech-ar-Bettws	—	—
Cilymaenllwyd	—	—
Henllanfallteg	—	—
Llandissilio-East	1	—
Eglwyscumin	—	—
Llanboidy	1	—
Pendine	—	—
Whitland	1	—
	16	5

(21)

Rates per 1,000 Population of Notifications and Deaths.

Year.	Notifications (New Cases).	Deaths.
1941	1.11	0.54
1942	0.99	0.58
1943	1.30	0.74
1944	1.12	0.66
1945	1.45	0.49
1946	1.27	0.74

INSPECTION AND SUPERVISION OF FOOD.

Milk Production.

Some farms still lag behind the desired standard required for the production of milk in a clean and wholesome condition. I cannot too strongly emphasize that milk takes an important place in the diet of the family and, therefore, producers should see that milk in no way gives rise to any risk of infection among the population.

The Public Health Department is determined that dirty methods of milk production will not be tolerated, and every effort is made to supervise the farms particularly those whose methods are not satisfactory.

During the year, close co-operation was maintained between the Advisory Officers of the County War Agricultural Executive Committee and the Sanitary Inspectors.

LICENCES HELD IN THE RURAL DISTRICT AREA UNDER THE MILK (SPECIAL DESIGNATIONS) ORDERS, 1936-1945.

Tuberculin Tested Milk :

Number of Tuberculin Tested Licences	.....	..	264
Bottling licences in respect of premises other than places of production	.....	.....	2

Accredited Milk :

Number of Accredited Licences	.....	.....	414
Bottling licences in respect of premises other than place of production	.....	.....	0

Pasteurised Milk :

Number of Pasteurised Licences	.....	.....	2
Number of Dealers' Licences	.....	.....	0
Licences issued in respect of the " Holder " system of Pasteurisation	.....	.....	0
Licences issued in respect of the " High Temperature Short Time " system of Pasteurisation.....			2

Milk Sampling :

Sampling of ungraded milk was carried out by the Sanitary Inspectors whilst sampling of Tuberculin Tested and Accredited Milk was carried out by the County Council Officials.

Samples taken were as follows :—

	Result.		
	Satis- factory.	Unsatis- factory.	Total.
Samples of Tuberculin Tested Milk sent for bacteriological examination	287	264	551
Samples of Accredited Milk sent for bacteriological examination	464	402	866

During the year the Sanitary Inspectors co-operated with the County War Agricultural Executive Committee in administering the Milk Testing and Advisory Scheme. The samples of milk taken were submitted to the Advisory Laboratory for analysis and the results were as follows :—

Number of Ungraded Milk samples taken..... 296

Number of Ungraded Milk Samples placed in category

A—Good Quality	207
B—Doubtful Quality	47
C—Poor Quality	42

In addition, the following samples were taken by the Sanitary Inspectors and submitted for examination :—

Number of Pasteurised Milk samples taken 18

Number Satisfactory—17. Number Unsatisfactory—1

Samples taken of Tuberculin-Tested Milk on behalf of the Welsh Board of Health 4

Number Satisfactory 4

FOOD AND DRUGS ACT, 1938.

The Food and Drugs Authority for the area is the County Council and Mr. D. R. Watkins, Chief Inspector of the County Council reports as follows on work done during the year under the above Act in the area of the Carmarthen Rural District :—

Milk :

Number of official samples taken	113
Number certified genuine	80
Number certified to contain added water and also deficient in fat	8
Number certified to contain added water	18
Number certified deficient in fat	7

Legal proceedings were taken in respect of twenty-four of the samples certified to contain added water and fines and costs amounting to £423 10s. 0d. were imposed by the Justices. The percentage of water in the other two samples were very small and the sellers were let off with a caution. The fat deficiencies were very slight and the sellers were cautioned.

Three informal samples of milk were taken, one of which was found to contain added water and an official sample was taken from the vendor.

Miscellaneous articles of Food and Drugs :

Number of samples taken	.....	.....	.....	43
Number certified genuine	.....	.....	.....	33
Number certified to be infested with meal-mite and unfit for human consumption.....	.....	.....	.....	10

Legal proceedings were instituted in respect of the ten samples certified unfit for human consumption. All the cases were dismissed under the Probation of Offenders Act on payment of costs amounting to £5 8s. 0d.

Heat Treated Milk.

Thirty samples were taken, all of which were reported satisfactory.

MEAT INSPECTION.

There is no change regarding the method adopted for meat inspection. Centralised slaughtering is carried out at the Carmarthen Borough Abattoir.

The Sanitary Inspectors, in conjunction with the Sanitary Inspector for the Borough of Carmarthen attend the Abattoir and carry out an inspection of the carcasses slaughtered.

Slaughter of Animals Act, 1933.

188 persons have been licenced as slaughtermen within the area.

SANITARY INSPECTION OF THE AREA.

For the purposes of Sanitary Inspection, the area is divided into three districts, with a Sanitary Inspector for each district.

Carmarthen District—Wm. Williams, Senior Sanitary Inspector.

Llangendeirne District—H. E. Williams, Sanitary Inspector.

St. Clears District—R. E. Pritchard, Sanitary Inspector.

Each Sanitary Inspector works under the general direction of the Medical Officer of Health, and makes a report on his area each month direct to the Council.

Record of Visits for 1946 :—

Nature of Visit or Inspection.	Carmarthen District.	Llangendearne District.	St. Clears District.	Total.
GENERAL SANITATION.				
Water Supplies	86	16	9	111
Drainage	59	93	22	174
Offensive Trades	—	6	15	21
Tents, Vans, Sheds	8	8	2	18
Factories	1	3	12	16
Bakehouses	7	6	10	23
Public Conveniences	16	12	13	41
Refuse Collection	7	10	39	56
Refuse Disposal	23	24	23	70
Rats and Mice	7	14	13	34
Schools	—	18	6	24
Miscellaneous Sanitary Visits	8	81	41	130
HOUSING.				
Under Public Health Acts.				
Number of Houses inspected	47	54	90	191
Visits paid to above houses	47	61	101	209
Under Housing Acts.				
Number of Houses inspected	78	100	41	219
Visits paid to above houses	90	130	63	283
Overcrowding.				
Number of Houses inspected	19	9	10	38
Visits paid to above houses	19	9	19	47
Verminous Premises.				
Number of Houses inspected	—	—	—	—
Visits paid to above houses	—	—	—	—
Miscellaneous Housing Visits.....	75	16	3	94
INFECTIOUS DISEASES.				
Inquiries in cases of Infectious Diseases	12	38	43	93
Miscellaneous Infectious Disease Visits	4	11	8	23
Number of rooms disinfected.....	10	35	28	73
Number of times Steam Disinfectant used	—	2	—	2

Nature of Visit or Inspection.	Carmarthen District.	Llangendearne District.	St. Clears District.	Total.
MEAT & FOOD INSPECTION				
Inspection of Meat and Meat Shops.				
No. of visits to Central Slaughterhouse in the Borough of Carmarthen	13	45	40	98
No. of visits to Shops and Stalls	10	20	20	50
No. of visits to Butchers	4	4	14	22
Milk and Dairies Orders.				
No. of producers in area	2500 in whole area			
No. of retail purveyors in area	260 in whole area			
No. of visits to cowsheds	146	65	76	287
No. of new cowsheds provided	1	4	4	9
No. of cowsheds reconditioned	94	12	36	142
NOTICES SERVED.				
Under the Housing Acts.				
No. of informal notices served	41	5	11	57
No. of informal notices complied with	33	4	11	48
No. of formal notices served	4	2	—	6
No. of formal notices complied with	0	1	—	1
Under the Public Health Acts.				
No. of informal notices served	19	10	21	50
No. of informal notices complied with	15	7	15	37
No. of formal notices served	1	6	—	7
No. of formal notices complied with	1	5	—	6
Under the Milk and Dairies Orders.				
No. of informal notices served	94	2	11	107
No. of informal notices complied with	94	2	9	105





